

## **Biography Information - Craig A Barnes**

Craig Barnes is currently the Executive Director, Research and Engineering, for Cummins Emission Solutions, a business unit of Cummins Inc. In this role, he is responsible for leading the overall worldwide technical activities for the aftertreatment products (including selective catalytic reduction and particulate filters).

Craig received his BS in Mechanical Engineering from the University of Missouri-Rolla in 1978. He began his professional career as a co-op student with John Deere in 1975 and worked for them until 1983. He was involved in all aspects of diesel engine design, analysis and development and co-authored technical papers in the area of engine bearing design and analysis techniques. He returned to the University of Missouri-Rolla for graduate studies in Mechanical Engineering from 1983-1985. In 1985, he returned to John Deere to lead design and development activities on their large rotary engine development program.

Craig joined Cummins Inc. in 1998. He was initially involved in advanced military engine design activities until 1992 when he became the leader of the Experimental Mechanics organization. From 1994-1998, Craig was the Director of Light Duty Automotive Engineering organization. From 1998-2002, he was the Director of Technology Planning. In June 2002, Craig transferred to Fleetguard, Cookeville, TN, where he was responsible for the Global Engineering Support organization. His responsibilities included the design, analysis, drafting, configuration management and laboratories in the US and Europe. In this role he was also an active participant in the planning and start-up of the engineering and drafting off-shoring activities in India. In May 2005, he moved back to Columbus, IN, into his current role in Emission Solutions.